ENT AND TRADEMARK OFFICE

Applicant:

Gruenert et

Assignee:

The Regents of the University of

California

Serial No.:

09/392.682

Examiner Group Art Unit: B. Loeb

1636

Filed:

September 9

Docket:

G&C 30448.97-U

Title:

GENE THERAPY BY SMALL FRAGMENT HOMOLOGOUS

REPLACEMENT

CERTIFICATE OF MAILING OR TRANSMISSION UNDER 37 CFR 1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231 on

REVOCATION AND POWER OF ATTORNEY

Commissioner for Patents Washington, D.C. 20231

Dear Sir:

Please revoke the existing Powers of Attorney, if any, and appoint the following attorneys and/or patent agents to prosecute this application and to transact all business in the U.S. Patent and Trademark Office in connection therewith:

George H. Gates	Registration No. 33,500
Victor G. Cooper	Registration No. 39,641
Karen S. Canady	Registration No. 39,927
William J. Wood	Registration No. 42,236
Jason S. Feldmar	Registration No. 39,187
Bradley K. Lortz	Registration No. 45,472

Please direct all correspondence in this application to Karen S. Canady at:

Gates & Cooper LLP Howard Hughes Center 6701 Center Drive West, Suite 1050 Los Angeles, California 90045 Telephone: (310) 641-8797

The Regents of the University of California, as assignee, declares that 100% ownership is

established for the above-referenced invention, and patent application. A Certificate under 37 C.F.R. 3.73(b) is enclosed.

Respectfully submitted,

The Regents of the University of California

Dated: ________

Ву:___

Manager, Patent Prosecution

UC Case No. 92-070-4

S/N 09/392,682

N THE COUTED STATES PATENT AND TRADEMARK OFFICE

MAY 1 5 2001

Applicant:

Examiner:

B. Loeb

Serial No.:

09/392,682

Group Art Unit:

1636

Filed:

September 9, 1999

Docket:

G&C 30448.97-US-**1/2**

Title:

GENE THERAPY BY SMALL FRAGMENT HOMOLOGOUS

REPLACEMENT

CERTIFICATE UNDER 37 C.F.R. § 3.73(b)

THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, a corporation organized and existing under the laws of the State of California, having a place of business at 1111 Franklin Street, 12th Floor, Oakland, California 94607, certifies that it is the assignee of the entire right, title, and interest in the patent application identified above by virtue of:

An assignment from the inventor(s), Dieter C. Gruenert and Karl Kunzelmann to The Regents of the University of California, of the patent application identified above. The assignment was recorded in the U.S. Patent and Trademark Office on October 26, 1992 at Reel 6454, Frame 0468 (copy attached).

The Regents of the University of California owns 100% interest in the above-identified patent application.

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, as the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: 5/1/0/

Name: Linda S. Stevenson

Title: Manager, Patent Prosecution





UNITED STALES DEPARTMENT OF COMMERCE Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

TO:
VIVIANA AMZEL
FISHER & AMZEL
1320 HARBOR BAY PARKWAY
SUITE 225

ALAMEDA, CA 94501

1993 E 3 1993

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT BRANCH OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE U.S. PATENT AND TRADEMARK OFFICE ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT ASSIGNMENT PROCESSING SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT BRANCH, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231

ASSIGNOR:

DOC DATE: 10/02/92

GRUENERT, DIETER, C.

ASSIGNOR:

DOC DATE: 10/02/92

KUNZELMANN, KARL

RECORDATION DATE: 10/26/92

NUMBER OF PAGES 005 REEL/FRAME 6454/0468

DIGEST : ASSIGNMENT OF ASSIGNORS INTEREST

ASSIGNEE:

REGENTS OF THE UNIV. OF CALIFORNIA, THE 300 LAKESIDE DRIVE, 22ND FLOOR OAKLAND, CA 94612-3550

SERIAL NUMBER PATENT NUMBER

7-933471

FILING DATE 08/21/92

ISSUE DATE 00/00/00

EXAMINER/PARALEGAL ASSIGNMENT BRANCH

ASSIGNMENT/CERTIFICATION SERVICES DIVISION

	01	OIPE	
NO OF	MAY 1	0 2001 E	
	E.	78/	

FORM PTO-15

Box Assignments

RECORDATION FORM COVER SHEET			
PATENTS ONLY			
To the Commissioner of Patents and Trademarks: Please rec	cord the attached original documents or copy thereof		
Name of conveying party(ies): Gruenert, Dieter C. and Kunzelmann, Karl Additional name(s) of conveying party(ies) attached? [] Yes [] No	Address: 300 Lakeside Drive, 22nd Floor, Oakland		
3) Nature of conveyance:	CA ZIP: 94612-3550		
Assignment □ Merger	Second Name:		
☐ Security Agreement ☐ Change of Name ☐ Other	Address:		
Execution Date: October 2, 1992	Additional name(s) & addresses attached? []Yes [x]No		
Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: 10/2/92 A. Patent Application No.(s) 8. Patent No.(s) 07/933,471 Additional numbers attached? []Yes []No			
(5. Name and address of party to whom correspondence concerning document should be mailed: Viviana Amzel FISHER & AMZEL 1320 Harbor Bay Parkway Suite 225 Alameda, CA 94501 Ph: (510) 748-6868 Fax: (510) 748-6688	6. Total number of applications and patents involved: 7. Total fee (37 CFR 3.41)\$ 40.00 1 Check Enclosed 1x Authorized to be charged to deposit account 8. Deposit Account No: 21-0649/90-070 (Attach duplicate copy of this page if paying by deposit account)		
Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Total number of pages comprising cover sheet: Viviana Amzel, Ph.D. Date			



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Gruenert, D. C., et al.	: Appl. Ref.No: : UC 92-070-1
Serial No:	: : Group Art Unit:
Filed:	: : Examiner:

Title: COMPOSITION AND METHOD FOR ALTERING DNA SEQUENCES BY HOMOLOGOUS RECOMBINATION

ASSIGNMENT OF ENTIRE RIGHT, TITLE AND INTEREST

This Assignment, by Dieter C. Gruenert and Karl Kunzelmann, hereinafter referred to as the assignor, residing at 130 Cascade Drive, Mill Valley, California 94941, and 1343 Third Avenue, San Francisco, California 95211, witnesseth

WHEREAS, the said assignors have invented certain new and useful improvements in COMPOSITION AND METHOD FORM ALTERING DNA SEQUENCES BY HOMOLOGOUS RECOMBINATION set forth in an application for Letters Patent of the United States,

[X]	having an Oath or Declaration executed on even date herewith;
[]	bearing Serial No and filed on;
[]	issued as Patent Noon; and

Whereas, THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, a corporation duly organized under and pursuant to the laws of CALIFORNIA, and having its principal place of business at 300 Lakeside Drive, 22nd Floor, Oakland, California 94612-3550 (hereinafter referred to as the assignee) is desirous of acquiring the entire right, title and interest in and to said inventions and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

1519

6910

NOW, THEREFORE, in consideration of One (1.00) Dollar, and in consideration of the benefits stipulated in the applicable "University of California Patent Policy", and in fulfillment of our Patent Agreement with the University of California, and other good and sufficient considerations, the receipt of which is hereby acknowledged, the said assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto the said assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above mentioned inventions, application for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations, and continuations-in-part of said applications, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the said assignee, for its own use and behoof and the use and behoof of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the assignors, had this sale and assignment not been made; AND

for the same consideration, the said assignors hereby covenant and agree to and with the said assignee, its successor(s), legal representative(s) and assign(s), that, at the time of execution and delivery of these presents, the said assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions, and the application for Letters Patent above mentioned, and that the same are unencumbered and that the said assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth; AND

for the same consideration, the said assignors hereby covenant and agree to and with the said assignee, its successor(s), legal representative(s) and assign(s), that the said assignors will, whenever counsel of the said assignee, or the counsel of its successor(s), legal representative(s) and assign(s), shall advise that any proceeding in connection with said inventions, or said application for Letters Patent, or any proceeding in connection with Letter Patent for said inventions in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said inventions, without charge to said assignors, its successor(s), legal representative(s) and assign(s), but at the cost and expense of the said assignee, its successor(s), legal representative(s) and assign(s); AND

the said assignors hereby request the Commissioner of Patents to issue said Letters Patent of the United States to the said assignee as the assignee of said inventions and the Letters Patent to be issued thereon for the sole use and behoof of the said assignee, its successor(s), legal representative(s) and assign(s).

10.	2.92	
Date		

Dieter C. Gruenert

On <u>october</u> , 1992, before me, the undersigned, a Notary Public in and for said State, personally appeared <u>Dieter C. Gruenert</u>, personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged that he/she executed the same.

WITNESS my hand and official seal.



Murellaling Rogord Notary Public

STATE OF CALIFORNIA

COUNTY OF San Francisco

9454 KEEL

0471

10/2 / 92 Date Karl Kunzelmann

On <u>October</u> 2, 1992, before me, the undersigned, a Notary Public in and for said State, personally appeared <u>Kurt Kunzelmann</u>, personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged that he/she executed the same.

WITNESS my hand and official seal.



Moriam an Rugow Notary Public

STATE OF CALIFORNIA)

COUNTY OF <u>San Fran</u>cisco)

PATENT RECORDED

OCT 26 92